BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI

Office of the Executive Engineer Project Sub Division,

SCHEDULE-B

NAME OF WORK: Drilling of new Borewells at Ward No.12, Dasarahalli Project Sub Division.

Sl. No	Description of work	Unit	Qty	Sanctioned Estimate Rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, Complete as per specfications. and direction of Engineer-in-charge of the work.	nos	1.00	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc., Complete as per specfications. and direction of Engineer-in-charge of the work.				
a	0.00 to 50.00 Mtr.	Mtr	50.00	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
b	50.00 to 100.00 Mtr.	Mtr	50.00	412.00	Rupees Four Hundred Twelve Only
c	100.00 to 150.00 Mtr.	Mtr	50.00	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only

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d	150.00 to 200.00 Mtr.	Mtr	50.00	484.10	Rupees Fou Hundred Eighty Four and Ten Paise Only
e	200.00 to 250.00 Mtr.	Mtr	50.00	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
f	250.00 to 300.00 Mtr.	Mtr	40.00	600.49	Rupees Six Hundred and Forty Nine Paise Only
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr	20.00	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise Only
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions. Complete as per specfications. and direction of Engineer-in-charge of the work.	Each	7.00	1133.00	Rupees One Thousand One Hundred Thirty Three Only
5	175 mm dia M.S. Casing cap Complete as per specfications. and direction of Engineer-in-charge of the work.	Each	1.00	103.00	Rupees One Hundred Three Only
6	M.S. Casing Pipe Collars 'C' collars each Complete as per specfications. and direction of Engineer-in-charge of the work.	Each	4.00	154.50	Rupees One Hundred Fifty Four and Fifty Paise Only
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000. HP 25 stage Complete as per specfications. and direction of Engineer-in-charge of the work.	set	1.00	70600.00	Rupees Seventy Thousand Six Hundred Only

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8	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe Complete as per specfications. and direction of Engineer-in-charge of the work.	Rmtr	133.00	519.30	Rupees Five Hundred Nineteen and Thirty Paise Only
9	Providing and Fixing heavy duty collar Complete as per specfications. and direction of Engineer-in-charge of the work.	Rmtr	20.00	84.80	Rupees Eighty Four and Eighty Paise Only
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr	266.00	164.29	Rupees One Hundred Sixty Four and Twenty Eight Paise Only
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter Complete as per specfications. and direction of Engineer-in-charge of the work.	no	1.00	14800.00	Rupees Fourteen Thousand Eight Hundred Only
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. Complete as per specfications. and direction of Engineer-in-charge of the work.	Sqm Cm	20000.00	0.34	Thirty Three Paise Only
13	Providing & Fixing of clamps set and borewell cap to the pump Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	690.00	Rupees Six Hundred Ninety Only

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14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	3.00	1213.70	Rupees O[illegible] Thousand Tw[illegible] Hu[illegible]dred Thirteen and Seventy Paise Only
15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	3.00	1696.00	Rupees One Thousand Six Hundred Ninety Six Only
16	Providing and fixing of 50mm GI Bend motor Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	3.00	232.14	Rupees Two Hundred Thirty Two and Fourteen Paise Only
17	Providing and fixing of 50mm GI Nipple to motor Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	3.00	104.30	Rupees One Hundred Four and Thirty Paise Only
18	Providing and fixing of 50mm GI union to the motor Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	3.00	237.12	Rupees Two Hundred Thirty Seven and Twelve Paise Only
19	Labour Charges for end Connection Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	475.00	Rupees Four Hundred Seventy Five Only
20	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) Complete as per specfications. and direction of Engineer-in-charge of the work.	Per length	45.00	90.64	Rupees Ninety and Sixty Four Paise Only
21	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	475.00	Rupees Four Hundred Seventy Five Only
22	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	906.40	Rupees Nine Hundred Six and Forty Paise Only

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23	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr	45.00	169.95	Rupees One Hundred Sixty Nine and Ninety Five Paise Only
24	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr	45.00	56.65	Rupees Fifty Six and Sixty Five Paise Only
25	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr	3.00	249.26	Rupees Two Hundred Forty Nine and Twenty Six Paise Only
26	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	1699.50	Rupees One Thousand Six Hundred Ninety Nine and Fifty Paise Only
27	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	271.92	Rupees Two Hundred Seventy One and Ninety Two Paise Only
28	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	1350.00	Rupees One Thousand Three Hundred Fifty Only
29	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	3.00	1526.40	Rupees One Thousand Five Hundred Twenty Six and Forty Paise Only
30	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc.,Complete as per specfications. and direction of Engineer-in-charge of the work.	No's	1.00	311.58	Rupees Three Hundred Eleven and Fifty Seven Paise Only

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31	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	16.20	283.02	Rupe[redacted] Two Hundred Eighty Three and Two Paise Only
32	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., Complete as per specfications. and direction of Engineer-in-charge of the work.	Mtr	85.00	157.00	Rupees One Hundred Fifty Seven Only
33	Providing and installation at site of work 20mm GI Pipes including cost of pipes and specials and labour including lowering into treanches, laying true to line, complete As per Direction of Engineer incharge for Public Taps. For Motor / Pipe line Complete as per specfications. and direction of Engineer-in-charge of the work.	Rmt	32.00	193.98	Rupees One Hundred Ninety Three and Ninety Eight Paise Only
34	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	45.90	76.32	Rupees Seventy Six and Thirty Two Paise Only

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